

7095a&b

Diag'd. on Diag. Ch. No. 8502-3

Form 504

U. S. COAST AND GEODETIC SURVEY

DEPARTMENT OF COMMERCE

DESCRIPTIVE REPORT

Type of Survey TOPOGRAPHIC

PF-E-47

Field No. PF-D-47 Office No. T-7095a & b

LOCALITY

State Alaska

General locality Naknek River

Locality Kanakneli Point to The Narrows

194 7

CHIEF OF PARTY

R.F.A. Studds

LIBRARY & ARCHIVES

DATE Jan. 12, 1949

B-1870-1 (1)

7095a&b

DEPARTMENT OF COMMERCE
U. S. COAST AND GEODETIC SURVEY

TOPOGRAPHIC TITLE SHEET

Each Topographic and Graphic Control Sheet, and each Air Photographic Drawing should be accompanied by this form, completed so far as practicable, when forwarded to the Washington office.

T-7095a

Registry No. T-7095- a

Field No. PF-D-47

Scale 1:10,000

State Alaska General locality ~~Bristol Bay~~ Naknek River

Specific locality ~~Naknek River~~, Kanaknoli Point to Smelt Creek

Dates: Survey began 4 August 1947 Completed 11 August 1947

Photography complete, Supplemented by ground surveys to

Project No. CS-327 Instructions dated 20 June 1946

Vessel } or PATHFINDER Chief of party R.F.A. Studds
Party }

Field work by Fair J. Bryant Office work by Fair J. Bryant

Final inking by Fair J. Bryant

Ground elevations } in feet above { M. H. W.
~~Tide elevation~~ } xx

Contours } by { Planetable } Interval ft.
Approximate contours } { Multiplex }
Form lines }

REMARKS Additional detail to be obtained from air photographs.

GENERAL DESCRIPTION (cont'd.):

The area inshore is rolling tundra with some patches of muskeg or marsh. Ponds and streams are plentiful but in lesser numbers than in the case of the lower river. In general the ground is more solid and the prevailing growth of alders is mixed with an increasing number of spruce and extends further inland.

The winter trail for tracked vehicles mentioned in previous reports continues on this sheet and may be identified on the air photographs. The telephone line between Naknek and Naknek Air Base approaches within about 200 feet of the North bank of the river at Papiak Flat and trends away to a distance of about 3/8 mile at the upstream limit of the sheet.

CONTROL: Control for the survey consists of main scheme and intersection stations of the third-order triangulation extended between first-order control at Naknek and at Naknek Air Base by personnel from the PATHFINDER during the 1947 season. Positions are from unadjusted field computation referred to North American 1927 Datum.

CHRONOLOGY AND DETAILS OF SURVEY:

Field work was accomplished during August 1947.

Standard topographic methods were ^{used.} ~~on account~~ ^{because} of the narrow beach, ^{and} traverse was not attempted and all work was accomplished from positions located by triangulation or by 3-point fixes.

^{T-7094 (1947)} The sheet joins PF-G-47 on the West and ^{T-7095 b} PF-E-47 on the East. The junctions were satisfactory.

Many off-lying rocks were located by cuts or rod readings. The areas bare at low water are sketched in by inspection with occasional rod readings.

MAGNETIC DECLINATION:

Magnetic meridians were drawn on the sheet at set-ups at the following triangulation stations:

Savonoski	1947
Horseshoe	1947
Flat	1947
Fish	1947
Blind	1947
Prom	1947
Smelt	1947

Some variation in the declination was noted but there is apparently no local disturbance.

GENERAL DESCRIPTION (cont'd.):

The area inshore is rolling tundra with some patches of muskeg or marsh. Ponds and streams are plentiful but in lesser numbers than in the case of the lower river. In general the ground is more solid and the prevailing growth of alders is mixed with an increasing number of spruce and extends further inland.

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Flat	1947
Fish	1947
Blind	1947
Prom	1947
Smelt	1947

Some variation in the declination was noted but there is apparently no local disturbance.

MAGNETIC DECLINATION (cont'd.):

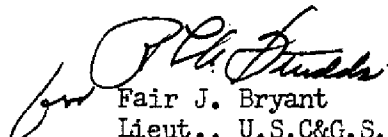
Declinatoire No. 195, used for all observations, was standardized during 1948 and found to have no measurable error.

GEOGRAPHIC NAMES:


A complete investigation of geographic names was made and is covered in a separate report. Local or native names have been determined for all important features. Except for the designation of the river, none of these names have been previously charted.

Names of geographic features which appear on this chart are as follows:

Kanaknoli Point
Rock Creek
Horseshoe Bend
Horseshoe Point
Chimenchun Creek
Chimenchun Point
Kvigoi Creek
Rocky Point
Papiak Flat
Iniam Point
Iniam Islet
Pauls Creek
Papiak Point
Mustache Flat
Omakstalia Point
Melokoshar Creek
Melokoshar Point
Smelt Creek
Smelt Island


Fair J. Bryant
Lieut., U.S.C.&G.S.
Topographer

APPROVED:


R.F.A. STUDDS
Comdr., U.S.C.&G.S.
Chief of Party

DEPARTMENT OF COMMERCE
U. S. COAST AND GEODETIC SURVEY

NONFLOATING AIDS OR LANDMARKS FOR CHARTS

TO BE CHARTED
TO BE DELETED

STRIKE OUT ONE

Seattle, Washington

19 March, 1948

I recommend that the following objects which have ~~(have not)~~ been inspected from seaward to determine their value as landmarks, be charted on ~~(deleted from)~~ the charts indicated.

The positions given have been checked after listing by Paul J. Bryant

Included in L. 470-1948

R.F.A. STUDAS

Chief of Party.

STATE			POSITION						METHOD OF LOCATION AND SURVEY NO.	DATE OF LOCATION	HARBOR CHART	INSHORE CHART	OFFSHORE CHART	CHARTS AFFECTED
CHARTING NAME	DESCRIPTION	SIGNAL NAME	LATITUDE		LONGITUDE		DATUM							
			°	'	D. M. METERS	°		'						
Horsehoe Point Light	Privately established light	Horse Shoe Pt. Lt 1947	58 42		1497.8	156 49	697.7	NA1927	Triangulation station	1947	X			New Charts
Rock	Large rock in low water													
	area between Horse Shoe		58 42		1851.4	156 48	798.8	"	"	"	X			"
	and Rocky Points	Bold 1947												"
Rock	Large rock in low water	Pap1	58 43		130.4	156 46	322.5	"	"	"	X			"
	areast Papiak Flat	1947												
Rock	Large rock at	Prom												
	Onakatalia Point	1947	58 42		485.4	156 45	149.1	X	"	"	X			"
Cabin	Chimney of trappers	Chim	58 41		643.2	156 43	703.9	"	"	"	X			"
	cabin on north bank	1947												
	opposite Salt Creek													

This form shall be prepared in accordance with Hydrographic Manual, pages 800 to 804. Positions of charted landmarks and *nonfloating aids* to navigation, if redetermined, shall be reported on this form. The data should be considered for the charts of the area and not by individual field survey sheets. Information under each column heading should be given.

GEOGRAPHIC NAMES

Survey No. **T7095a**

Name on Survey

On Chart
No.On previous survey
No.On U. S. quadrangle
MapsFrom local
information

On local Maps

P. O. Guide or Map

Rand McNally Atlas

U. S. Light List

A

B

C

D

E

F

G

H

K

Alaska

1

Naknek River

USCB

2

Rock Creek

3

Kanaknoli Point

4

~~Gookyishkaix~~

5

Horseshore Bend

6

Horseshore Point

7

Chimenchun Creek

8

Chimenchun Point

9

Kvigoi Creek

10

Rocky Point

11

Papiak Flat

12

Papiak Point

13

Iniam Point

14

Iniam Islet

15

Paula Creek

16

Mustache Flat

17

Omakstalia Point

18

Melokoshar Creek

19

Melokoshar Point

20

Smelt Creek

21

Smelt Island

22

Names underlined in red are
approved. 4/19/49

L. Heck

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DEPARTMENT OF COMMERCE
U. S. COAST AND GEODETIC SURVEY

TOPOGRAPHIC TITLE SHEET

Each Topographic and Graphic Control Sheet, and each Air Photographic Drawing should be accompanied by this form, completed so far as practicable, when forwarded to the Washington office.

REGISTRY No. T-7095 - b

Field No. PF-E-47

Scale 1:10,000

State Alaska General locality ~~Bristol Bay~~ Naknek River

Specific locality Naknek River, Smelt Creek to the Narrows

Dates: Survey began 13 August 1947 Completed 29 August 1947

Photography Complete, Supplemented by ground surveys to _____

Project No. CS-327 Instructions dated 20 June 1946

Vessel } or PATHFINDER Chief of party R.F.A. STUDDS
Party }

Field work by Fair J. Bryant Office work by Fair J. Bryant

Final inking by Fair J. Bryant

Ground elevations } in feet above { M. H. W.
Tree-top elevations } or { _____

Contours } by { Planetable } Interval _____ ft.
Approximate contours } { Multiplex }
Form lines } { _____ }

REMARKS Additional detail to be obtained from air photographs

T7095 b

DESCRIPTIVE REPORT
TO ACCOMPANY
TOPOGRAPHIC SHEET FIELD NO. PR-E-47

PROJECT: Field work was done under instructions dated 20 June 1946
for Project CS-327.

LOCALITY: The survey on this sheet covers the Naknek River from Smelt
Creek (Long. $156^{\circ}-43.8'$) to the Narrows (Long. $156^{\circ}-36.8'$)

SCALE: 1:10,000

GENERAL DESCRIPTION:

The banks of the river within the limits of this sheet are low, averaging 8 - 10 feet in height except at the point on the North bank above King Salmon Creek (long. $156^{\circ}-42.0'$) which is 40 feet high and on the North bank above Mushevik Point (Long. $156^{\circ}-37.3'$) where the bluff attain^a a height of 92 feet. Alders fringe the low banks and overhang the water's edge although there are extensive open, grass-covered areas immediately inland. Alders and spruce are present in about equal numbers although first one and ^{then} the other predominate. There is no beach above the High Water Line except at small indentations in the banks. At the lower stages of the tide the beach may be traversed with ease. The area bare at Low Water are mostly of light gravel mixed with sand except upstream from Grassy Point (Long. $156^{\circ}-39.5'$) where it is marshy. The character of the beach has been indicated on the sheet where possible.

There is a bar, bare at Low Water, at the mouth of King Salmon Creek (Long. $156^{\circ}-42.5'$) composed of sand, gravel and rocks. The deep water is in the center of the stream and shoals gradually inshore. There are no offshore rocks above Low Water. Eel grass is found on both sides of the channel, extending offshore to depths of about 5 feet. The channel is clear and lies in mid-stream; it is easily followed.

Naknek Air Base, an installation of the Air Force now being partially taken over by the C.A.A., lies within the limits of this sheet. Three small floating docks are on the North bank at the Air Base. There is a trapper's cabin with one small out-building on the North bank immediately upstream from King Salmon Creek and a similar structure is on the South bank opposite Grassy Point.

The area inshore from the river is generally firm ground, much of it open and covered with grass of moderate height. The denser tree cover lies well away from the river.

There is a road network of limited extent at the Air Base. Details of the structures and improvements are identifiable on the air photographs. The winter trail for tracked vehicles mentioned in previous reports continues on this sheet and terminates at King Salmon Creek where it joins the road net. It is identifiable on

GENERAL DESCRIPTION (Cont'd.):

the air photographs. The telephone line from Naknek mentioned in previous reports continues on this sheet and terminates at the Air Base.

CONTROL: Control for the survey consists of first-order triangulation stations established during 1946 and supplemented by station^s of the third-order scheme accomplished by personnel from the PATH-FINDER in 1947. Positions are from unadjusted field computations referred to North American 1927 Datum.

CHRONOLOGY AND DETAILS OF SURVEY:

Field work was accomplished during August 1947.

Standard topographic methods were used. Because of the density of available control, no traverse was necessary, all work being accomplished from positions located by triangulation or by 3-point fixes.

T-7095a (1947)

The sheet joins PF-D-47 to the West; the area to the East is unsurveyed. The junction with PF-D-47 was satisfactory.

T-7095a (1947)

MAGNETIC DECLINATION:

Magnetic meridians were drawn on the sheet at set-ups at the following triangulation stations:

Smelt	1947
End	1947
Grass	1947

Some variation in the declination was noted but there is apparently no local disturbance. Declinatoire No. 195, used for all observations, was standardized in 1948 and found to have no measurable error.

GEOGRAPHIC NAMES:

A complete investigation of geographic names was made and is covered in a separate report. Local or native names were determined for all important features. Except for the designation of the river none of these names has been previously charted.

Names of geographic features which appear on the sheet are as follows:

King Salmon Creek
Eskimo Creek
Naknek Air Base
Grassy Point

The Lower Lagoon
Musherik Point
The Narrows
Strawberry Point

APPROVED:

R.F.A. Studds
R.F.A. STUDDS
Comdr., U.S.C.&G.S.
Chief of Party

Fair J. Bryant
Fair J. Bryant
Lieut., U.S.C.&G.S.
Topographer

1 Annex: Landmarks for Charts.

DIVISION OF CHARTS

REVIEW SECTION - NAUTICAL CHART BRANCH

REVIEW OF TOPOGRAPHIC SURVEY

REGISTRY NO. T-7095a & b

PF-D-47

FIELD NO. PF-E-47

Alaska, Naknek River, Kanaknoli Point to The Narrows
Surveyed in August 1947
Project No. CS-327

Scale 1:10,000

Plane Table Survey

Aluminum Mounted

Chief of Party - R. F. A. Studds
Surveyed by - F. J. Bryant
Inked by - F. J. Bryant
Reviewed by - T. A. Dinsmore, April 15, 1949
Inspected by - R. H. Carstens

1. Adjoining Surveys

An adequate junction was effected with T-7094 (1947) on the west. On the east, the present survey terminates at the limits of Project CS-327 where no charted information is available for comparison.

2. Comparison with Prior Surveys

There are no prior surveys of the area by this Bureau.

3. Comparison with Preliminary Chart A-3370 (Print date 5/24/48)

a. Topography

The charted topography originates with the present survey prior to review. No revisions are necessary.

b. Aids to Navigation

There are no charted aids to navigation within the area of the present survey.

c. Declinoire observations of the magnetic meridian are in close agreement with the charted value.

4. Condition of Surveys

- a. The survey was neatly inked and conforms to the requirements of the Topographic Manual.
- b. The Descriptive Report covers all matters of importance.
- c. A few sunken rock symbols were deleted from this sheet. These inshore rocks fell in 1-to 3-ft. depths on H-7614 (1947) and are shown on that survey by "Blds" and "rky" characteristics.

5. Compliance with Project Instructions

The survey adequately complies with the Project Instructions.


6. Additional Field Work


This is an excellent survey and no additional field work is required. Additional topographical detail in this area is being compiled on air photographic surveys T-9068 and T-9069.

Examined and approved:


H. R. Edmonston
Chief, Nautical Chart Branch


Casper M. Durgin
Chief, Division of Charts


K. G. Crosby
Chief, Section of Hydrography


W. M. Scaife
Chief, Division of Coastal Surveys

DEPARTMENT OF COMMERCE
U. S. COAST AND GEODETIC SURVEY

NONFLOATING AIDS OR LANDMARKS FOR CHARTS

TO BE CHARTED
TO BE DELETED

STRIKE OUT ONE

Seattle, Washington 19 March 1948

I recommend that the following objects which have ~~(have not)~~ been inspected from seaward to determine their value as landmarks, be charted on ~~(deleted from)~~ the charts indicated.

The positions given have been checked after listing by

Included in 6470-1948

[illegible]

This form shall be prepared in accordance with Hydrographic Manual, pages 800 to 804. Positions of charted landmarks and *nonfloating aids* to navigation, if redetermined, shall be reported on this form. The data should be considered for the charts of the area and not by individual field survey sheets. Information under each column heading should be given.

GEOGRAPHIC NAMES

Survey No. **T7095b**

Name on Survey

On Chart
No.

On previous survey
No.

On U. S. quadrangle
Maps

From local
information

On local Maps

P. O. Guide or Map

Rand McNally Atlas

U. S. Light List

A

B

C

D

E

F

G

H

K

Alaska

1

Naknek River

USGB

2

King Salmon Creek

3

Eskimo Creek

4

Naknek Air Base

5

Grassy Point

6

The Lower Lagoon

7

Mushevik Point

8

The Narrows

9

Strawberry Point

10

11

12

Names underlined in red are
approved. 4/19/49

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NAUTICAL CHARTS BRANCH

SURVEY NO. T 7095

Record of Application to Charts

[illegible]

M.2168-1

A basic hydrographic or topographic survey supersedes all information of like nature on the uncorrected chart. Give reasons for deviations, if any, from recommendations made under "Comparison with Charts" in the Review.